

L.E. Gads,
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Engineering Complex Planned

Drawing plans are now close to completion for the first of four phases of an Engineering Complex on the Edmonton campus. The Complex will be located in the area called the orchard just west of the Nuclear Research Centre and bordering on 116th St. at the junction of 92 Ave. Phase One will be the most northerly of the buildings. It will house the departments of chemistry and petroleum engineering, mining and metallurgy, and technical services.

Tenders for Phase One, which is pictured below, will be called in early winter. Completion date is slated for the fall of 1966. The usable space area of the building will involve 100,000 square feet and it will rise to 8 stories at its highest point.

Phases Two of the Complex will house mechanical engineering, phase three, civil engineering, and phase four, electrical engineering. All four buildings will be similar in design and will connect with a low central office building in the centre. A target date for completion of the whole complex has not yet been set. The current Engineering Building will gradually be taken over by the medical sciences departments and some of the basic sciences.



ENGINEERING CENTRE (PHASE I), UNIVERSITY OF ALBERTA, EDMONTON.

Extension's Role - Adult Education

"To bring the University to the people" was the original role envisaged for the Department of Extension or, in the words of University President, Dr. H. M. Tory in 1912 when the Department was founded, "The job of the Extension Department is to find out from the people what the University can do for them beyond the classroom and the laboratory." Today after 53 years as one of the leading forces in Canada in the field of adult education, the Department undertakes 363 educational projects during the year and enrolls some 12,000 students.

One of the first graduates of the University, A. E. Ottewell, was chosen by Dr. Tory to set up the Department. His successor, E. A. Corbett, writes of Ottewell, "He was a kind of educational Paul Bunyan. He thought nothing of spending most of a night with a group of farm people, say at Pincher Creek in Southern Alberta, and then starting out at daylight - after consuming a couple of cans of salmon, which was his favourite breakfast - to conduct a similar meeting the following night at Coronation, about 300 miles away. And this was in the days when there were few if any highways."

As a direct result of Ottewell's belief that, for the purposes of information, education and entertainment, a University radio station could serve the people of Alberta, especially in the remote settlements, in a way not possible through already existing radio stations, Radio Station CKUA became a reality in 1927 with the help of the University's Department of Electrical Engineering.

The following year, the beloved storyteller, E. A. Corbett, became Director of Extension. It was his feeling that Extension's job was "to bring to the remote places of the province whatever cultural and entertainment values the University could offer as a means of encouraging community solidarity, strengthening morale, awakening the civic conscience in regard to better home and school conditions; to bring colour and some kindness into the hard and lonely life of the frontier people." Dr. Corbett

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Faculty Notes

agriculture

For the third year the Faculty of Agriculture and the Alberta Institute of Agrologists are sponsoring a tour throughout Alberta for 4th year agriculture students. The purpose of the tour is to provide the student with a concept of the broad spectrum of agricultural and business activities in the province, as a background to 4th year studies in agriculture.

This year PROF. T. A. PRESTON of Agricultural Engineering is Coordinating the tour. Forty-six students plus a few faculty members and graduate students will travel some 1800 miles visiting some 50 ranches, nurseries, feed mills, fertilizer plants, irrigation developments, dairies, farm machinery headquarters, Hutterite colonies, and various other branches of agrology in Alberta. The tour will take place between Sept. 20 and 25 both by bus and plane from centres in the very south of the province to the Peace River district.

education



H. T. COUTTS, Dean of the Faculty of Education at the University of Alberta, is a member of the five-man delegation representing Canada at the Congress. Dr. Coutts, who is also Vice-President of the Canadian Education Association, was nominated by that Association to represent Canada.

ph.d.s awarded

Four faculty members have successfully completed all requirements for doctoral degrees recently. DR. F. V. MacHARDY, Head of the Department of Agricultural Engineering, received the Ph.D. degree from the University of Edinburgh. His research on the "Application of Programming Techniques for Farm Management Problems" produced widespread interest in Great Britain and was the subject of a half-hour BBC television program. PROF. H. W. ZINGLE of this University's Department of Educational Psychology will receive the Ph.D. degree at Fall Convocation in Edmonton, November 20th. DR. R. D. ARMSTRONG of the Department of Elementary Education received the Ed. D. degree from the University of California, Berkeley, on Sept. 15th. DR. R. G. IRONSIDE of the Department of Geography was presented with the Ph.D. degree at the University of Durham.

geography

DR. A. H. LAYCOCK and a number of students in the Department of Geography have recently completed a pilot project which is concerned with Present Land Use Mapping in Alberta for the A. R. D. A. (Agricultural Rehabilitation and Development Administration of the Federal Department of Forestry.) In recognition of the fine work they have already carried out, official approval has been received from the A. R. D. A. in Ottawa to continue this mapping program over a larger area.

The first phase of the program under the direction of Dr. Laycock, Associate Professor of Geography, has involved the mapping of 23,461 square miles of Alberta in the Edmonton and Athabasca to Hinton areas on a scale of 1 to 50,000 (approx. 1 & 1/4" to 1 mile) in 137 maps. The mapping shows many aspects of the use of land in this area - agricultural, forestry, urban, water, mining, recreational and non-use categories. Many graduate students and undergraduates were engaged in photo interpretation, mapping, copying, and checking.

The new enlarged program will involve the mapping of 123,414 square miles of other settled and fringe areas of Alberta which will result in almost 600 new maps of present land use patterns in Alberta. All the maps will be available for computer processing by 1967. The map information will then be related to information being gathered on patterns of soil capability for agriculture and forestry, land suitability for wildlife management and recreational use, agro-climatology, and socio-economic aspects of the A. R. D. A. inventory program. The total cost of the program is approximately \$230,940. Dr. Laycock anticipates that at least some of the staff and students engaged in this study will participate in the future analysis of the relationships established and program effectuation.

physiology

DR. E. O. HOHN, Associate Professor of Physiology, is author of a booklet called "Die Wassertreter" (The Phalaropes) which was recently published in East Germany. The booklet reviews most of the world literature on this unusual group of shore birds, in which the females have a more colourful nuptial plumage than the males, and summarized the author's three-year study on Wilson's Phalarope (which breeds in Alberta) and of the hormone mechanisms which account for the bright plumage of the female phalaropes. The 60-page booklet contains 32 photographs and can be ordered through the University Bookstore for \$1.50.

fellowships, grants etc.

A Commonwealth Fellowship for the year 1966-67 is being offered for scholars holding academic posts and not for men still working for post-graduate degrees, by St. John's College, Cambridge. The Fellowship affords a Commonwealth scholar the opportunity to pursue his own study and research as a member of a Collegiate Society and to make contact with scholars in Britain.

The Fellowship entitles the holder to a stipend of £ 300, rooms in College free of rent if he should require them, and to other rights and privileges of a resident Fellow. Applications should be made to the Master, St. John's College, Cambridge, to reach him not later than 15 April, 1966, and should be accompanied by the candidate's full names, particulars of the date and place of his birth, his present appointment, his previous career, his qualifications, his plans and the approximate date at which he would propose to come into residence, and the names and addresses of not more than three references.

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The British Council, under its commonwealth Universities Exchange Scheme, has made available travel grants for the promotion of interchange between universities in British Commonwealth countries. These travel grants are available under three categories - (A) university teachers or officers on recognized leave of absence, (B) distinguished university scholars invited by universities for short visits, and (C) postgraduate university research workers holding research grants. Details of these awards are available from the Deans' Offices.

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Staff applying to the National Research Council for research grants should note that the application date has been advanced from January 15 to December 1. Applications should be submitted to the President's Office via the Dean's Office at least one week in advance of the deadline.

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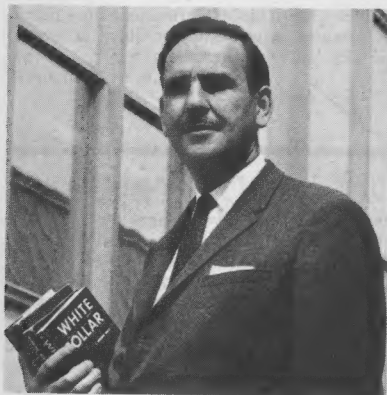
Once again the Association of Commonwealth Universities is compiling its list of Academic Visitors to the United Kingdom. The 46th issue will be effective as of October 1st. The names of all members of staff and officers of the University known to be in Britain on October 1st, 1965 should be recorded along with their posts and date of departure from the United Kingdom. The Information Office will be forwarding the names of Professors G. Ford, J. W. Pearce, E. J. Rose, J. R. Royce, A. S. Elder, F. L. Weichman, B. R. Bociurkiw, and W. Hague to the A. C. U. Persons knowing of other staff members whose names should be added to the list should contact the Information Office at local 412 before Sept. 20.

EXTENSION

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founded the Banff School of Fine Arts in 1933 and in 1936, he left the University to become the first Executive Director of the Canadian Association for Adult Education.

He was succeeded in his posts as Director of Extension and as Director of the Banff School of Fine Arts, by Donald Cameron, founder of the Banff School of Advanced Management, Past President of the Canadian Association for Adult Education, and Senator. The Department's current Director, Duncan Campbell, has been associated with the Department for the past 16 years, the past 9 of which he has served as its Director. Professor Campbell has just recently returned from 3 months in Africa where he assisted the Institute of Adult Education at the University College of Rhodesia in Salisbury with a suitable program for adult education.



DUNCAN CAMPBELL

The Department of Extension under Professor Campbell has directed its program into three separate areas. Firstly, new skills and thoughts which assist businessmen, professionals and industrialists to earn their living are taught. For instance, a Management Development Program consisting of a series of courses covering subjects in the field of business and industry is designed to assist the student to develop the skills and understanding which will contribute towards his professional development as a manager or executive. Secondly, the Department provides the opportunity through course work to further one's education in the liberal arts. One interesting development in this field is a Colloquium, being held for the second time this year, where a small group of top executives and professionals are invited to participate every two weeks in discussion which attempts to clarify certain basic 'models of man' dominant in the 20th Century. The students prepare themselves by reading extensively in the fields of English, history, and sociology and add to the discussions their broad experience of life.



Businessmen attend a course in business finance as part of the Management Development Program.

There are no lectures. The last meeting is a two-day session at the Banff School of Fine Arts where issues and ideas developed during earlier sessions are discussed in depth. Thirdly, Leadership Training Programs are offered and directed toward rural people. At one level of this program is the Rural Leadership Conference which provides senior leaders of farm and rural organizations with the opportunity to discuss, study, and more freely understand the economical, sociological, and human relations factors and influences affecting farming, farm living, and rural organizations.

These then are the areas in which the Extension Department serves the people of Alberta. To do this, the Department uses a variety of methods. It conducts non-credit evening classes on the campus. It holds short courses. (Just concluded is the drawing and painting workshop with Jacques de Tonnancour.) It sponsors conferences, especially on public affairs topics such as last year's conferences on "World Peace Through World Law," and on "The Twentieth Century Renaissance in Canada." It conducts correspondence-seminar programs where students are sent 20-25 lessons during the year and meet every four weeks with University experts for regional seminars. It offers study-discussion programs which

are appropriate for inclusion in an organization's educational program or for use of a group of friends who may wish to meet regularly to discuss topics of common interest. It provides a province-wide library service and a loan service of films, filmstrips, tapes, and recordings. In addition, the Department sponsors a modest program in the arts as part of the University's Summer Festival. The program is designed with summer session students in mind but has been well-received by the general public. Details of all Extension programs are available by calling the Department at their new number, 439-2021, or by stopping in at its new headquarters in the Old Education Building.

What about future roles of the Department? Professor Campbell feels there is a need to develop new and more imaginative ways to reach people, especially in the area of liberal arts. Continuing education for women is one area which is now being experimented with. Programs may also be developed for age groups such as senior citizens. Continuing education programs for business and professional groups must grow and, in the area of public affairs, Professor Campbell feels the University has a particular responsibility to provide the circumstances under which points of view on public issues can be heard.



Following the annual short course in prospecting, Extension students are taken on a Field Trip to Uranium City.

calendar of events, september 16th to 30th

Sept. 16 - Faculty Club Golf Tournament at the Municipal Golf Course. Call Physical Education Office, local 365 to reserve tee-off time.

Faculty Club Golf Banquet (casual), western beef buffet, \$2.75 at 6:30 p.m., followed by the presentation of prizes.

Sept. 17 - The Faculty Duplicate Bridge Club meets every first and third Friday in the Faculty Club at 8 p.m. The aim of the club is to provide members with an opportunity for a good game in a relaxed atmosphere. Further information from Dr. Harris (local 252) or Dr. Newbound (local 764).

Lobster Night at the Faculty Club, \$5.50 each, reservations at local 707 as early as possible.

Sept. 18 - Lobster Night at the Faculty Club, \$5.50 each, reservations at local 707 as early as possible.

Sept. 19 - A reception sponsored by the Association of Professional Engineers and organized by the University's Department of Civil Engineering is being held at the Faculty Club for some 50 delegates to the International Conference on Soil Mechanics and Foundations Engineers who are currently on a cross-Canada tour. They are here from France, Germany, Great Britain, Italy, Norway, Roumania, Sweden, and Switzerland.

Sept. 20 - Registration for all students not previously registered.

Sept. 23 - Admission Ceremony, Jubilee Auditorium, 8 p.m. The Admission Ceremony provides the opportunity for all new students to become acquainted with faculty members and the academic side of University. It is also the occasion when the incoming freshmen are presented for their matriculation awards. Dean D.M. Ross will speak on "The Transition to University Life," and welcoming addresses will be given by President W.H. Johns and Students' Union President, Richard Price.

Sept. 24 - Regular lectures begin in Agriculture, Arts, Business Administration and Commerce, Education, Engineering, Graduate Studies, Household Economics, Medical Laboratory Science, Nursing, Pharmacy, Physical Education, Rehabilitation Medicine, and Science.

T.G.I.F. Night at the Faculty Club.

Sept. 25 - Dinner-dance at the Faculty Club and every Saturday evening thereafter for six weeks.

Sept. 29 - Faculty Badminton Club season begins at 7:30 p.m. in the Main Gym. New members are welcome. Call Dr. Carmichael at 433-5887.



Delegates to the Fifth Interprovincial Conference of Public Works Deputy Ministers held in Edmonton were guests of the University on September 8th. Mr. J. R. B. Jones (far right), Director of Campus Development, is seen pointing out some of the long-range building projections for the campus to Mr. R. Palmer (on his right), Deputy Minister for New Brunswick, Mr. Lucien Lalonde, Federal Deputy Minister, Mr. H. A. Gauvin, Deputy Minister for Quebec, and Mr. B. J. Mills, Assistant Deputy Minister for Ontario. The Alberta Department of Public Works has the unique position in Canada of being the architects of almost all our University buildings.

classified

FOR SALE: Two bedroom house with finished room in basement, garage (cement floor), fenced. Located 73 Ave. & 109 St. Asking \$395 down, take over mortgage. Immediate occupancy. Call owner at 433-8176.

FOR SALE: Lakeshore lot at Pinesands Resort on Sandy Lake about 20 miles west of St. Albert, 1 1/2 - 2 acres, no buildings, \$300. Call Dr. Hohn at 439-8354 or local 581.

FOR SALE: Bungalow in the Garneau area, vicinity of the Garneau Towers, two bedrooms, dining room, living room, kitchen, and bath with finished room and bathroom in basement. Heated garage on paved lane. \$15,000. Call W. Odynsky, ext 281, or 433-1170.

FOR SALE: 1958 Dodge Station Wagon. Contact Dr. W.D. Smith at ext. 890 or at 439-2459.

art display

The first exhibition in Canada of the work of the well-known English artist, Michael Ayrton, will be presented by the University's Fine Arts Gallery, during the month of October. Wyndham Lewis in 1950 wrote, "Among the galaxy of young painters who make bright the night of the contemporary scene, Michael Ayrton has an iridescence all his own." In 1962, C. P. Snow, in the introduction to 'Drawings and Sculpture' said, "Michael Ayrton is by vocation a visual artist . . . Ayrton is an exceptionally clever and miscellaneously gifted man, but he is a 'practitioner' of the visual arts." Large exhibitions of Mr. Ayrton's works have been held recently in England, Greece, and the United States.

This exhibition consists of thirty drawings, most related in theme to Greek mythology, but with a few very fine portraits of well-known personalities such as William Golding and Wyndham Lewis. The exhibition will be opened by Mr. J. D. G. Walker-Brash, British Information Officer in Edmonton, on Friday, October 1, 1965, and will be on display at the Fine Arts Gallery, 9021 - 112 Street, until October 29, 1965. Gallery hours in the evening are from 7 - 9, Monday through Friday.



Sceptic Head by Michael Ayrton